

CLAIMS

1. A method of transferring traffic information in units over a wireless digital communications link between a transmitting station and a receiving station comprising the steps of:
- 5 transmitting first information units at a first power level;
monitoring if correct reception of the transmitted units occurred;
and
transmitting second information units associated with the first
10 information units for which first information units the monitoring did not indicate correct reception occurred, at a second power level which is greater than the first power level, the second information units allowing the content of the first information units to be established.
- 15 2. The method of Claim 1 wherein the content of the second information units is the same as the content of the first information units.
3. The method of Claim 1 wherein the units are data frames or packets of data.
- 20 4. The method of Claim 1 wherein monitoring is performed by the transmitting station based on information provided by the receiving station.
5. The method of Claim 1 wherein the first power level is selected to
25 be the lowest level to correspond to a maximum allowable probability of failed first information units transmission and consequent second information units transmission.
6. A digital wireless communications system comprising at least one
30 transmitter having means for transmitting first information units at a first power level;

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at least one receiver having means for receiving the transmitted information units;

control means for controlling the transmitter output power; and

monitoring means for monitoring if correct reception of the transmitted units occurred at the receiver,

wherein the transmitting means transmits second information units associated with the first information units for which first information units the monitoring means does not indicate correct reception has occurred, the second information units being transmitted at a second power level that is greater than the first power level, the second power level being selected by the control means, and wherein the second information units allow the content of the first information units to be established.

7. A transmitter station for digital wireless transmission of traffic information to a receiver, said transmitter station having:

a transmitter for transmitting first information units at a first power level;

control means for controlling the transmitter output power; and

monitoring means for monitoring if correct reception of the transmitted units occurred at the receiver,

wherein the transmitter transmits second information units associated with the first information units for which first information units the monitoring means does not indicate correct reception has occurred, the second information units being transmitted at a second power level that is greater than the first power level, the second power level being selected by the control means, and

wherein the second information units allow the content of the first information units to be established.

8. The communication system of Claim 6 wherein the content of the second information units is the same as the content of the first information units.

9. The transmitter station of Claim 7 wherein the content of the second information units is the same as the content of the first information units.

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5 11. The transmitter station of Claim 7 wherein the transmitter station is
employed as a component of a cellular mobile radio telephone system.

10 the transmitter in order to maintain a minimum average power consumption
taking into account the first power level and the second power level for the
consequent probability of transmission of second information units.

13. The transmitter station of Claim 7 wherein the control means
15 selects the first power level to control the average power consumption of the
transmitter in order to maintain a minimum average power consumption taking
into account the first power level and the second power level for the consequent
probability of transmission of second information units.

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Year	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100
1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	

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